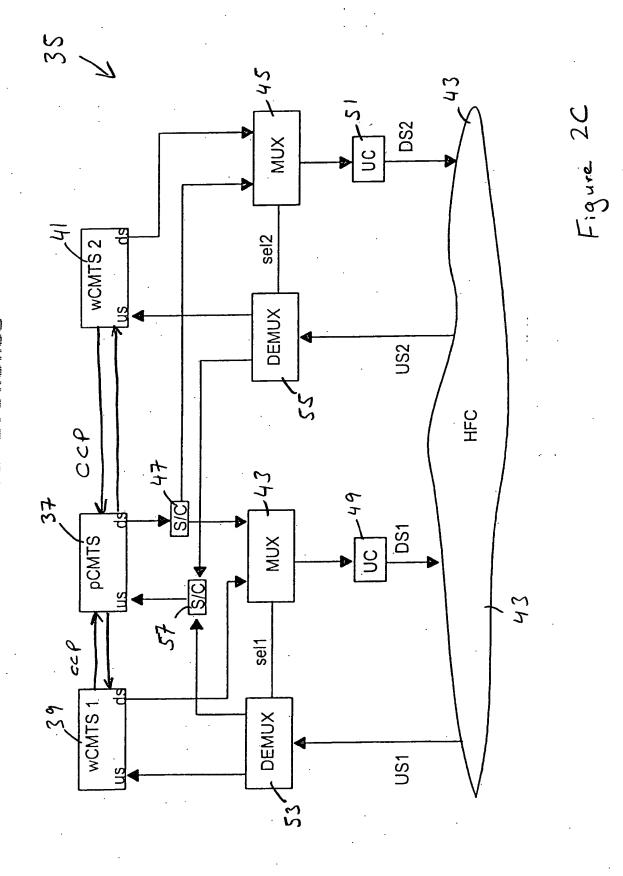
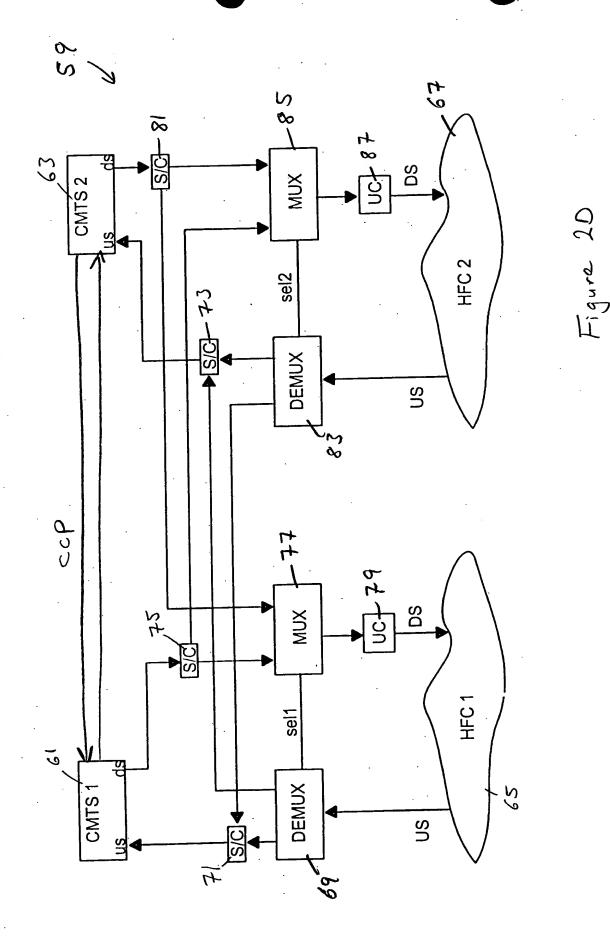
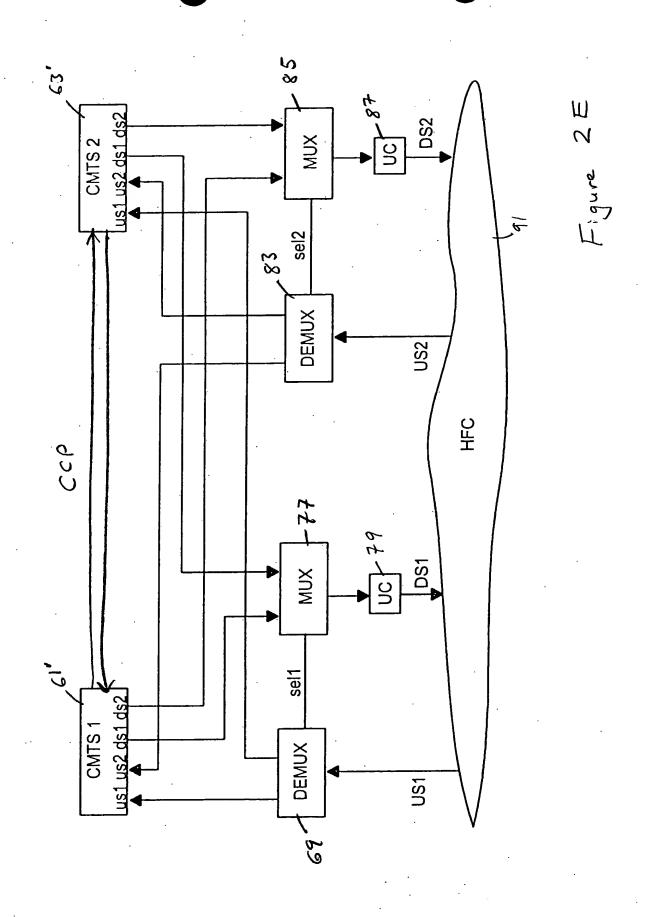


Figure 2B







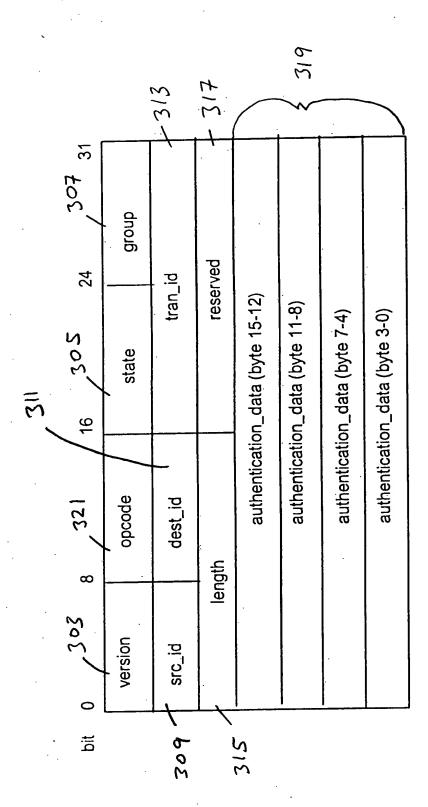


Figure 3A

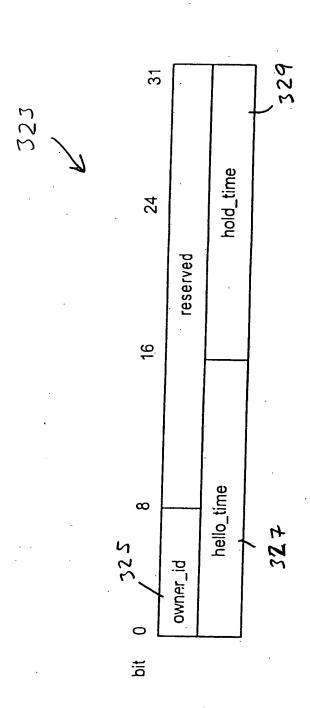
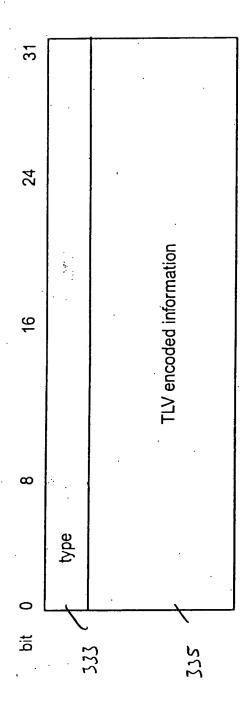


Figure 30

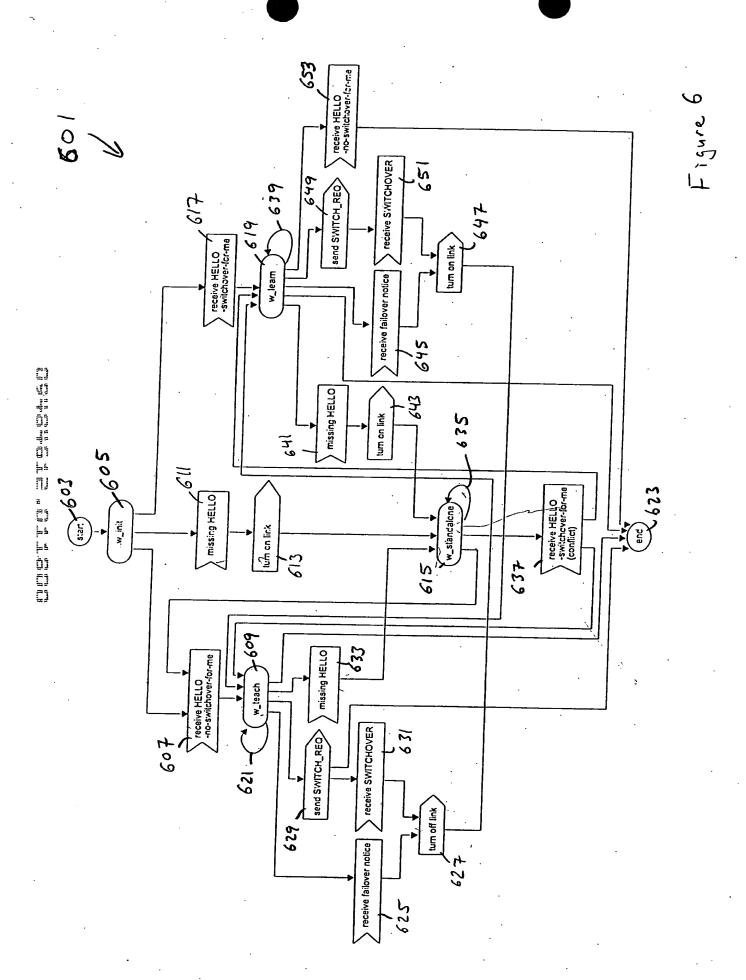


X7_1 N#	N	
Value Message	Name Message	Description
1	LOCKOUT	Teaching wCMTS tells pCMTS
		that it is not switchable.
2	UNLOCKOUT	Teaching wCMTS tells pCMTS
		that it is switchable.
3	RESYNC	Teaching wCMTS tells pCMTS
		that it is performing resync its entire
		database.
4	REG CM	Registration. Contains DOCSIS
·		REG_REQ TLVs.
5	UCD	Upstream channel description.
		Contains DOCSIS UCD TLVs.
6	RNG	CM Ranging. Contains DOCSIS
		RNG RSP TLVs.
7	DSA	CM Dynamic service add. Contains
		DOCSIS DSA REQ TLVs.
. 8	DSD	CM Dynamic service delete.
		Contains DOCSIS DSD REQ
		TLVs.
9	DSC	CM Dynamic service change.
		Contains DOCSIS DSC REQ
		TLVs.
10	BPKM	CM Baseline privacy key
		management. Contains DOCSIS(8)
		TLVs.
11	SNA	Subnet add. Contains the MAC and
		IP address and IP mask for the sub-
		interface of CM and CPE to be
		added: 6 bytes MAC address, 4
		bytes IP address, 4 bytes IP mask.
12	SND	Subnet delete. Contains the MAC
		and IP address and IP mask for the
		sub-interface of CM and CPE to be
		deleted: 6 bytes MAC address, 4
		bytes IP address, 4 bytes IP mask.
13	SYNC	Time synchronization. Contains
- •		DOCSIS SYNC Timestamp.
14	~255	Reserved for future use.
-	<u> </u>	

State	wCMTS	Behavior
w_init	hccp->active = NULL; hccp->standbylist: 0 element;	transition state during initialization.
w_standalone	<pre>hccp-&gt;active != NULL; hccp-&gt;standbylist: 0 element;</pre>	forwarding traffic;
w_teach	hccp->active != NULL; hccp->standbylist: 0 element;	forwarding traffic; receive HELLO; send HELLO_ACK; send SYNC; receive SYNC_ACK;
w_learn	hccp->active = NULL; hccp->standbylist: 1 element;	receive HELLO; send HELLO_ACK; receive SYNC; send SYNC_ACK;

Figure SA

State	pCMTS	Behavior
p_init	hccp->active = NULL; hccp->standbylist: 0 element;	transition state during initialization.
p_standalone	hccp->active != NULL; hccp->standbylist: n-1 elements;	forwarding traffic; send HELLO; receive HELLO_ACK; receive SYNC; send SYNC_ACK;
p_teach	hccp->active != NULL; hccp->standbylist: n-1 elements;	forwarding traffic; send HELLO, receive HELLO_ACK; receive SYNC; send SYNC_ACK; send SYNC_ACK; receive SYNC,
p_leam	hccp->active = NULL; hccp->standbylist: n elements;	send HELLO; receive HELLO_ACK; receive SYNC; send SYNC_ACK;



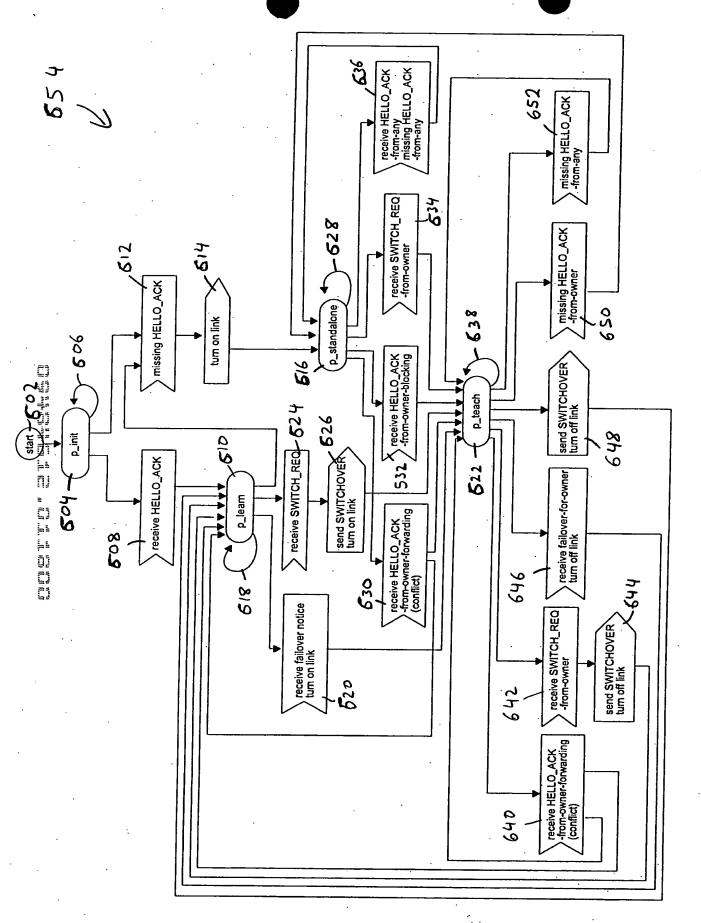


Figure 7

